

WHAT IS CLAIMED IS

1. A biopolymer detecting method in which target biopolymers are detected by capturing the target biopolymers on the substrate side, and that is characterized by a process in which target biopolymers labeled with a fluorescent material and beads, onto the surface of which probe biopolymers and beads-ID recognizing address linkers are fixed, are put in a solution to hybridize the target biopolymers and the probe biopolymers, then said address linkers are captured by antigen-antibody reaction using the addressing probe protein which is in such relation to said address linkers as either one is an antigen and the other is the corresponding antibody.
2. A biopolymer detecting method in accordance with claim 1, wherein said address linkers consist of a type of antigen or a type of antibody for address judgment to recognize said beads-ID.
3. A biopolymer detecting method in accordance with claim 1 or claim 2, wherein said target biopolymers and said beads are put in a reservoir together with a buffer solution and are stirred using a physical, electrical or chemical means.
4. A biopolymer detecting method in accordance with any of claims 1 to 3, wherein magnetic beads or beads made of metal or plastics are employed as said beads.
5. A biopolymer detecting method in accordance with any of claims 1 to 4, wherein said target biopolymers are RNAs which are transcription products from DNAs, or cDNAs, or proteins.
6. A biochip composed of addressing probe protein fixed onto a substrate, the protein being capable of capturing address linkers for ID recognition fixed onto the surface of beads using antigen-antibody reaction, together with probe biopolymers to be bonded to target biopolymers using the hybridization method.